

ABSTRACT OF THE DISCLOSURE

A noise-protecting arrangement for ear protector includes an audio-frequency receiving unit, a first
5 audio-frequency amplifying unit, a volume control
amplifying unit, a current amplifying unit, a gain
control signal unit, an impedance matching unit, a gain
control unit, a gain adjusting unit, a volume regulating
unit, a second audio-frequency amplifying unit, and
10 an audio-frequency output unit. The noise-protecting
arrangement automatically attenuates a noise that
enters into the ear protector and is higher than a
predetermined dB level, and thereby protects a user's
eardrum. The ear protector with this noise-protecting
15 arrangement is suitable for use in environments in which
various machine tools, such as drills, millers, lathes
and the like are operated, firing training is performed,
high-pressure air horn, vehicles, and aircrafts are
maintained, or other types of high-frequency noises
20 exist.